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RPTO/SB/21 (08-00)

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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TRANSMITTAL FORM

(to be used for all correspondence after initial filing)

Application Number	10/645,821
Filing Date	August 20, 2003
First Named Inventor	Jamey Graham
Group Art Unit	2855
Examiner Name	Unassigned
Attorney Docket Number	015358-006520US

Total Number of Pages in This Submission 11

ENCLOSURES (check all that apply)

<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment / Response <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input checked="" type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/ Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Assignment Papers (for an Application) <input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition Routing Slip (PTO/SB/69) and Accompanying Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s)	<input type="checkbox"/> After Allowance Communication to Group <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): 1) Return receipt postcard 2) Forms PTO/SB/08A and PTO/SB/08B
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Remarks

The Commissioner is authorized to charge any additional fees to Deposit Account 20-1430.

Total number of pages does not include cited references.

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm and Individual name	Townsend and Townsend and Crew LLP Sujit B. Kotwal	Reg No. 43,336
Signature	S. B. Kotwal	
Date	September 20, 2004	

CERTIFICATE OF MAILING

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PATENT
Attorney Docket No.: 015358-006520US
Client Reference No.: ID-RSV-263F

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

JAMEY GRAHAM et al.

Application No.: 10/645,821

Filed: August 20, 2003

For: PAPER-BASED INTERFACE FOR
SPECIFYING RANGES

Examiner: Unassigned

Art Unit: 2855

INFORMATION DISCLOSURE
STATEMENT UNDER 37 CFR §1.97 and
§1.98

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

The references cited on the attached PTO/SB/08A and PTO/SB/08B forms are being called to the attention of the Examiner. In accordance with 37 CFR §1.98(d), copies of the references can be found in Application No. 10/001,895, filed November 19, 2001 (Attorney Docket No. 015358-006500US). It is respectfully requested that the cited references be expressly considered during the prosecution of this application, and the references be made of record therein and appear among the "references cited" on any patent to issue therefrom.

As provided for by 37 CFR 1.97(g) and (h), no representation is being made that a search has been conducted or that this statement encompasses all the possible relevant information, and no inference should be made that the information and references cited are, or are considered to be material to patentability because they are in this statement. No inference should be made that the information and references cited are prior art merely because they are in this statement.

Applicant believes that no fee is required for submission of this statement.

However, if a fee is required, the Commissioner is authorized to deduct such fee from the undersigned's Deposit Account No. 20-1430. Please deduct any additional fees from, or credit any overpayment to, the above-noted Deposit Account.

Respectfully submitted,

S. B. Kotwal

Sujit B. Kotwal
Reg. No. 43,336

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SBK:crf
60312733 v1



Substitute for form 1449A/PTO			Complete if Known.		
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)			Application Number	10/645,821	
			Filing Date	August 20, 2003	
			First Named Inventor	Graham, Jamey	
			Art Unit	2855	
			Examiner Name	Unassigned	
Sheet	1	of	8	Attorney Docket Number	015358-006520US

U.S. PATENT DOCUMENTS+					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number Kind Code ² (if known)			
	AA	6,182,090	01-30-2001	Pears	
	AB	6,101,503	08-08-2000	Cooper et al.	
	AC	6,055,542	04-25-2000	Nielsen et al.	
	AD	6,028,601	02-22-2000	Machiraju et al.	
	AE	6,026,409	02-15-2000	Blumenthal	
	AF	6,021,403	02-01-2000	Horvitz et al.	
	AG	6,006,218	12-21-1999	Breese et al.	
	AH	5,987,454	11-16-1999	Hobbs	
	AI	5,950,187	09-07-1999	Tsuda	
	AJ	5,946,678	08-31-1999	Aalbersberg	
	AK	5,943,679	08-24-1999	Niles et al.	
	AL	5,873,107	02-16-1999	Borovoy et al.	
	AM	5,870,770	02-09-1999	Wolfe	
	AN	5,860,074	01-12-1999	Rowe et al.	
	AO	5,857,185	01-05-1999	Yamamura	
	AP	5,838,317	11-17-1998	Bolnick et al.	
	AQ	5,832,474	11-03-1998	Lopresti et al.	
	AR	5,819,301	10-06-1998	Rowe et al.	
	AS	5,784,616	07-21-1998	Horvitz	
	AT	5,781,785	07-14-1998	Rowe et al.	
	AU	5,778,397	07-07-1998	Kupiec et al.	
	AV	5,761,655	06-02-1998	Hoffman	
	AW	5,748,805	05-05-1998	Withgott et al.	
	AX	5,737,599	04-07-1998	Rowe et al.	
	AY	5,694,559	12-02-1997	Hobsen et al.	
	AZ	5,680,636	10-21-1997	Levine et al.	
	BA	5,638,543	06-10-1997	Pedersen et al.	
	BB	5,596,700	01-21-1997	Darnell et al.	
	BC	5,481,666	01-02-1996	Nguyen et al.	
	BD	5,479,600	12-26-1995	Wroblewski et al.	
	BE	5,442,795	08-15-1995	Levine et al.	
	BF	5,418,948	05-23-1995	Turtle	
	BG	5,404,295	04-04-1995	Katz et al.	
	BH	5,384,703	01-24-1995	Withgott et al.	
	BI	5,349,658	09-20-1994	O'Rourke et al.	
	BJ	5,309,359	05-03-1994	Katz et al.	
	BK	5,153,831	10-06-1992	Yianilos	
	BL	4,823,303	04-18-1989	Terasawa	
	BM	4,417,239	11-22-1983	Demke et al.	

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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² Kind Codes of U.S. Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.
60312733 v1

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			Art Unit	2855	
			Examiner Name	Unassigned	
Sheet	2	of	8	Attorney Docket Number	015358-006520US

FOREIGN PATENT DOCUMENTS								
Examiner Initials*	Cite No. ¹	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³	Number ⁴	Kind Code ⁵ (if known)				
	BN	EP	802 492	A1	10-22-1997	IBM Corporation		<input type="checkbox"/>
	BO	EP	762 297	A2	03-12-1997	Sun Microsystems		<input type="checkbox"/>
	BP	EP	737 927	A2	10-16-1996	Xerox Corporation		<input type="checkbox"/>
	BQ	EP	378 848	A2	07-05-1990	IBM Corporation		<input type="checkbox"/>
	BR	EP	459 174	B1	11-20-1996	Cina		<input type="checkbox"/>
	BS	GB	2 290 898	A	01-10-1996	Canon Business Machines, Inc.		<input type="checkbox"/>
	BT	GB	2 234 609	A	02-06-1991	IBM Corporation		<input type="checkbox"/>
	BU	GB	2 156 118	A	10-02-1985	Canon Kabushiki Kaisha		<input type="checkbox"/>
	BV	GB	2 137 788	A	10-10-1984	Gavilan Computer Corporation		<input type="checkbox"/>
	BW	JP	8-297677	A	11-12-1996	Xerox Corporation		<input type="checkbox"/>

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Sheet	3	of	8	Attorney Docket Number	015358-006520US

NON PATENT LITERATURE DOCUMENTS				
Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²	
	BX	Acrobat Reader Version 2.0 (software application), Adobe Systems Incorporated, screenshots Figures 1-10 (1994).		
	BY	Adobe Premiere (video editing software) from Http://www.adobe.com (2002).		
	BZ	Adobe Acrobat Reader 3.0 screen dumps (fig. 1-3), (1996).		
	CA	Adobe Systems, Inc., "Adobe Photoshop 4.0 User Guide for Macintosh and Windows," pp. 30-31 (1996).		
	CB	Apple Macintosh system 7 reference manual, pages 30-31 (1991).		
	CC	BALL et al. "Software Visualization in the Large", IEEE Computer, 29: 33-43 (1996).		
	CD	BOBICK et al. "A State Based Approach to the Representation and Recognition of Gesture," IEEE Trans. on Pattern Analysis and Machine Intelligence, pp. 1325-1337 (1997).		
	CE	BOGURAEV et al. "Salience-Based Content Characterisation of Text Documents," <u>Proceedings of the ACL/EACL Workshop on Intelligent [Sic] Scalable Text Summarization</u> , 1997. Topic identification, Discourse-based summarization. pp. 1-12 (1997).		
	CF	BORECKZY, J. et al. "An Interactive Comic Book Presentation for Exploring Video," Conference on Human factors in Computing Systems (CHI 2000), ACM Press, pp. 185-192, 2000.		
	CG	BOYKIN et al, "Improving Broadcast News Segmentation Processing," IEEE Multimedia '99 (1999).		
	CH	BOYKIN et al. "Machine learning of Event Segmentation for News on Demand," Communications of the ACM, 43:35-41(2000).		
	CI	BRANDOW et al. "Automatic Condensation of Electronic Publications by Sentence Selection," <u>Information Processing and Management</u> , 31(5):675-685 (1995).		
	CJ	BROWN et al. "Automatic Content-Based Retrieval of Broadcast News," ACM Multimedia 5, San Francisco, CA (1995).		
	CK	CAJ et al. "Integrated Multimedia Publishing - Combining TV and Newspaper Content on Personal Channels," WWW8 Conference, 1999.		
	CL	CHEN et al. "Emotion Recognition from Audiovisual Information," Proc. IEEE Workshop on Multimedia Signal Processing, Los Angeles, CA, USA, pp. 83-88 (1998).		
	CM	CHEN et al. "ViBE: A Video Indexing and Browsing Environment," Proceedings of the SPIE Conference on Multimedia Storage and Archiving Systems September 20-22, 1999, Boston 3846:148-164 (1999).		

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NON PATENT LITERATURE DOCUMENTS			
Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	CN	CHIU et al. "NoteLook: Taking Notes in Meetings with Digital Video and Ink," ACM Multimedia 99 Orlando, (1999).	
	CO	CHIU et al. "Automatically linking multimedia meeting documents by image matching," Proceedings of Hypertext '00. ACM, New York, pp. 244-245 (2000).	
	CP	CHRISTEL et al. "Evolving Video Skims into Useful Multimedia Abstractions," Proceedings of the CHI '98 Conference on Human Factors in Computing Systems (Los Angeles, CA, April 1998), pp. 171 -178 (1998).	
	CQ	CHRISTEL et al. "Information Visualization within a Digital Video Library," Journal of Intelligent Information Systems 11:235-257 (1998).	
	CR	DELLAERT et al. "Recognizing emotion in speech," Proceedings ICSLP 96. Fourth International Conference on Spoken Language Processing New York (Cat. No. 96TH8206). IEEE. Vol:1970-1973 (1996).	
	CS	DIMITROVA et al. "Video Keyframe Extraction and Filtering: A Keyframe is not a Keyframe to Everyone," CIKM 1997:113-120 (1997).	
	CT	DOERMANN et al. "Applying Algebraic and differential invariants for logo recognition," Machine Vision and Applications 9:73-86 (1996).	
	CU	DONATO et al. "Classifying Facial Actions", IEEE Trans. on Pattern Analysis and Machine Intelligence, 21:974-989 (1999).	
	CV	ESSA et al. "Coding Analysis Interpretation and Recognition of Facial Expressions, IEEE Trans. on Pattern Analysis and Machine Intelligence, 19:757-763 (1997).	
	CW	Face recognition techniques described at web site http://www.visionics.com (2002).	
	CX	FOOTE, Jonathan, et al. "An Intelligent Media Browser using Automatic Multimodal Analysis," ACM Multimedia 8, Bristol, UK (1998).	
	CY	FURUI et al. "Japanese Broadcast News Transcription and Information Extraction," Communications of the ACM, 43(2):71-73, Feb 2000.	
	CZ	GAUVAIN et al. "Transcribing Broadcast News for Audio and Video Indexing," Communications of the ACM, 43:64-70 (2000).	
	DA	GIBBON "Generating Hypermedia Documents from Transcriptions of Television Programs Using Parallel Text Alignment," <u>Handbook of Internet and Multimedia Systems and Applications</u> , David C. Gibbon; CRC Press, (1998).	
	DB	GLIEDMAN "Virtual Office Managers," Computer Shopper, 18:290 (1998):	
	DC	GORDON "Using annotated video as an information retrieval interface," ACM Proceedings of the 5th international Conference on Intelligent User Interfaces New Orleans pp. 133 - 140 (2000)	

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Sheet	5	of	8	Attorney Docket Number	015358-006520US

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	DD	GREENBERG et al., "Sharing fisheye views in relaxed-WYSIWIS groupware applications," <u>Proceedings of Graphics Interface</u> , Toronto, Canada, May 22-24, 1995, Distributed by Morgan-Kaufmann, Pp. 28-38, http://www.cpsc.ucalgary.ca/grouplab/papers/1996/96-Fisheye.GI/gi96_fisheye.html .	
	DE	HAUPTMANN et al. "Text, speech and vision for video segmentation: the informedia project," Proc. AAAI Fall Symp. Computational Models for Integrating Language and Vision, Boston, MA, Nov. 10-12, 1995.	
	DF	HAUPTMANN et al. "Story Segmentation and Detection of Commercials in Broadcast News Video," Advances in Digital Libraries Conference, Santa Barbara, CA, April 22-23 1998.	
	DG	HE et al. "Comparing Presentation Summaries: Slides vs. Reading vs. Listening," Conference on Human factors in Computing Systems (CHI 2000), April 1-6, 2000.	
	DH	HEARST et al. "TileBars: Visualization of Term Distribution Information in Full Text Information Access," <u>Proceedings of the ACM SIGCHI Conference on Human Factors in Computing Systems (CHI)</u> , Denver, CO., May 1995, Pp. 1-8, http://www.acm.org/sigchi/chi95/Electronic/documnts/papers/mah_bdy.htm .	
	DI	HECHT "Embedded data glyph Technology for Hardcopy Digital Documents," Proc. SPIE 2171:341-352 (1994).	
	DJ	HECHT "Printed Embedded Data Graphical User Interfaces," IEEE Computer, March 2001.	
	DK	HILL et al. "Edit Wear and Read Wear", ACM, pp. 3-9 (May 3-7, 1992).	
	DL	HU et al. "Multimedia Description Framework (MDF) for content descriptions of Audio/Video Documents," Fourth ACM Conference on Digital Libraries (DL '99) August 11-14, 1999.	
	DM	IOFFE et al. "Finding people by sampling," Proc. International Conference on Computer Vision, pp. 1092-1097 (1999).	
	DN	JIN et al. "Topic Tracking for Radio, TV Broadcast, and Newswire," Proceedings of the DARPA Broadcast News Workshop, Feb. 28-Mar 3, 1999, Herndon, VA.	
	DO	KOMLODI et al. "Key Frame Preview Techniques for Video Browsing," (Proceedings of the 3rd ACM International Conference on Digital Libraries, June 23-26, 1998, Pittsburgh, pp. 118-125 (1998).	
	DP	LANGLEY "An Analysis of Bayesian Classifiers," Proceedings of the Tenth National Conference on Artificial Intelligence, pp. 223-228, 1992.	
	DQ	LANGLEY "Induction of Selective Bayesian Classifiers," Proceedings of the Tenth National Conference on Uncertainty in Artificial Intelligence, pp. 400-406, (1994).	
	DR	LI et al. "Automatic Text Detection and Tracking in Digital Video," IEEE Transactions on Image Processing - Special Issue on Image and Video Processing for Digital Libraries, 9:147-156 (2000).	
	DS	LI et al. "Text Extraction and Recognition in Digital Video," Proceedings of Third IAPR Workshop on Document Analysis Systems, pp. 119-128, 1998.	

Examiner Signature		Date Considered	
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Sheet	6	of	8		

NON PATENT LITERATURE DOCUMENTS			
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	DT	LI et al. "VISION: a digital video library," Proceedings of the 1st ACM International Conference on Digital Libraries, pp. 19-27, 1996.	
	DU	LIANG et al. "Practical video indexing and retrieval system," <u>SPIE</u> , 3240:294-303 (1988).	
	DV	LIENHART et al. "On the Detection and Recognition of Television Commercials," Proc. IEEE Conf. on Multimedia Computing and Systems, Ottawa, Canada, pp. 509-516, June 1997.	
	DW	MA et al. "An Indexing and Browsing System For Home Video," Invited paper, EUSIPCO '2000, 10th European Signal Processing Conference, 5-8, Sept. 2000, Tampere, Finland.	
	DX	MANBER "The Use of Customized Emphasis in Text Visualization," <u>Proceedings of 1997 IEEE Conf. on Information Visualization</u> , pages 132-138, (1997).	
	DY	MAYBURY "News on Demand," Communications of the ACM, 43:33-34 (2000).	
	DZ	MAYBURY et al. "Segmentation, Content Extraction and Visualization of Broadcast News Video Using Multistream Analysis," AAAI Paper (1997).	
	EA	MAYBURY et al. "Multimedia Summaries of Broadcast News," International Conference on Intelligent Information Systems pp. 447-449 (1997).	
	EB	MAYBURY et al. "Multimedia Summaries of Broadcast News," International Conference on Intelligent Information Systems, December 8-10, 1997.	
	EC	MERIALDO et al. "Automatic Construction of Personalized TV News Programs," Seventh ACM International Multimedia Conference, Orlando November 1999.	
	ED	MERLINO et al. "Broadcast News Navigation using Story Segmentation," Advanced Information Systems Center, The MITRE Corporation (1997).	
	EE	MERLINO et al. "Broadcast News Processing Techniques," MITRE Technical Report, MTR 99B0000031, April 1999.	
	EF	MOHAN "Text-based search of TV news stories," Proc. SPIE 2916:2-13 (1996).	
	EG	MYERS et al. "Multi-View Intelligent Editor for Digital Video Libraries," First ACM and IEEE Joint Conference on Digital Libraries, June 24-28, 2001, Roanoke, VA, pp. 106-115.	
	EH	OH et al. "Efficient and Cost-effective Techniques for Browsing and Indexing Large Video Databases," SIGMOD Conference 2000: 415-426	
	EI	PHOTINA et al. "Improving acoustic models with captioned multimedia speech," Proceedings IEEE International Conference on Multimedia Computing and Systems, 2:767-71 (1999).	

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	EJ	ROWLEY et al. "Neural network-based face detection," IEEE Transactions on Pattern Analysis and Machine Intelligence," 20:23-38 (1998).	
	EK	SCHWEIGHOFER et al. "The Automatic Generation of Hypertext Links in Legal Documents," <u>Lecture Notes in Computer Science</u> , vol. 1134, Wagner et al., eds., from 7th Int. Conf., DEXA 96', held 9/96 in Zurich, Switzerland (1996)	
	EL	SHAHRRARY et al. "Automated Authoring of Hypermedia Documents of Video Programs," <i>ACM Multimedia 95</i> , November 5-9, 1995, San Francisco, CA (1995).	
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Examiner Signature		Date Considered	
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¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

Substitute for form 1449B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				Complete if Known	
				Application Number	10/645,821
				Filing Date	August 20, 2003
				First Named Inventor	Graham, Jamey
				Art Unit	2855
				Examiner Name	Unassigned
Sheet	8	of	8	Attorney Docket Number	015358-006520US

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	EZ	"Video Mail Retrieval Using Voice" Cambridge University Engineering Department Computer Laboratory and Olivetti Research Laboratory summary of research found at http://svr-www.eng.cam.ac.uk/research/projects/vmr/ (1997).	
	FA	WACTLAR et al. "Complementary Video and Audio Analysis for Broadcast News Archives," Communications of the ACM, 43:42-47 (2000).	
	FB	WACTLER et al. "Intelligent access to digital video: Informedia project," Computer 29:46-52 (1996).	
	FC	WEISS et al. "Composition and Search with a Video Algebra," IEEE Multimedia 2:12-25 (1995).	
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